

Minutes of Meeting: EPC Maintenance & Reliability Subcommittee

Minutes written by: Jorge Blanco

Meeting Date: January 23, 2014

Meeting Location: Dow Chemical Plaquemine, LA (hosted Web Conference)
Hosted by John Holbrook

Members Attending:

Via Web Conference

John Holbrook, Dow

Trobie Thompson – Sasol

Dan Barnett – BDEnergy

Mike Pelton – LyondellBasell

Jorge Blanco - Alstom

Keith Wade - Zeeco

Muhammad Imran - Technip

Mark Karrs – Becht Engineering

Eddie Carter - Ineos

Paul van Helmond – Linde

Meeting Started at 9:05 am

Antitrust statement: The Antitrust Statement was read to kick off the meeting.

Minutes of the December 12, 2013 meeting were read and approved

Next Meeting Schedule

February 20, 2014 Zeeco Hosted by Keith Wade

March 13, 2014 Dow Chemical web conference to be hosted by John Holbrook

Discussions:

Tutorial Session:

The status of the presentations was updated and noted in accompanying chart.

All presenters will be reminded that the draft of presentations must be submitted before February 14. The S/C will review them during the February 20 meeting.

Paper Session:

The status of submittal of the drafts of the session's papers was reviewed and noted in the accompanying chart.

The following was read/reviewed during the meeting. Comments will be furnished to the authors by their sponsor.

1. Ethylene Furnace Reliability Refractory Engineered Solutions for Cracking Furnaces, Malcom Peirson. The paper needs more technical content.
2. Repair and Reclamation of Ethylene Plant Equipment, Dave Oulton. The outline submitted by the author was read. The content looks interesting. Will push to get draft by Friday January 31, 2014.
3. Improve Furnace Availability and Control Downtime, Shailendra Inamdar and Robert Stegemann. Excellent paper, Shail will make some modifications and submit by Friday January 31, 2014.

4. Steam Trap Maintenance and Design for Energy Optimization, Neil Davies and Carl Matherne. Excellent paper. Neil Davies is reviewing the last revision and will submit to S/C through Carl.

The authors who have not presented the draft of their paper will be asked to submit by Friday January 31.

Tutorial Session and Paper Session Updates.

2014 EPC, New Orleans, LA
M&R Subcommittee Potential Session/Papers updated January 23, 2013

	Topic	Sponsor	Author	Status	Comments	
1	<u>Ethylene Plant Furnace Tutorial</u>			Session Title and description finalized and uploaded		
1a	Radiant Coils	Trobie Thompson	Trobie Thompson	The abstract was reviewed and approved	Draft of the presentation was reviewed.	
1b	Decoking Method	Mark Karrs	Brian Sullivan	Brian's abstract was approved	On schedule for Feb 14.	
1c	Convection Section	Muhammad Imran	Mike Pelton	Mike Pelton's abstract was approved	On schedule for Feb 14.	
1d	Steam System	Trobie Thompson	Mark Karrs	The abstract was reviewed and approved	On schedule for Feb 14.	
2	<u>Maintenance & Reliability Considerations for Improving Furnace Efficiency and Operability.</u>			Session Title and Description finalized and uploaded		
2a	Improve Furnace Availability and Control Downtime	Paul	Shailendar Inamdar, Linde	The abstract was reviewed and approved	Draft was submitted and reviewed. Trobie will circulate draft for further S/C review and returned to Shail.	High
2b	Repair and Reclamation of Ethylene Plant Equipment	Jorge	Dave Oulton	The abstract was reviewed and approved	Outline was submitted and reviewed. Oulton will be asked to submit draft by next week.	High
2c	Ethylene Furnace Reliability Engineered Solutions for Cracking Furnaces	Trobie	Mack Pierson	Mack submitted a proposal for a paper via the AIChE website. Trobie contacted him to see if he was still interested which he was, so we have taken his topic to replace the one dropped on Coil Outlet temperature measurement.	Draft was submitted and reviewed, it was found lacking in technical content and leading to sales pitch. Mack will be asked to increase technical content to the paper and change direction of the paper which otherwise is very pertinent.	
2c	Cracking Furnace Fuel Supply Challenges, Opportunities and Improvements	Jorge	Dan Barnett	The abstract was edited and reformatted to paragraph form, reviewed approved	Dan is actively working on draft. He notes it will submit by the middle of next week.	High
2e	Automatic Operation of Transfer Line and Decoke Valves - Flexibility and Process Safety	Jorge	Marcel Schade, Z&J	The abstract was reviewed and approved with minor corrections.	still waiting for the draft Jorge will contact author	High
2f	Optimization best practices for steam traps, lost energy, and design for safety.	Dane	Carl Matherne, Neil Davies	Abstract was received and reviewed. Carl took recommendations and will re-submit abstract.	Draft has been submitted and reviewed, it's in the hands of Davies for review. Excellent paper. Trobie will circulate draft for S/C member input.	High
no	Retrofit Magnetic Couplings for Maintenance and Energy Savings (ID Fan Application)	Mark Karrs	Jake Lee, MagnaDrive Corp.	Abstract was reviewed in the previous meeting. Mark working with authors to come with a viable approach for the paper.	An ethylene end user has not been found that could co-author or present. Alternatives such as application on an induced fan in an EDC plant is a possibility.	postponed for future conference
no	Maintenance and Reliability of Coil Outlet Temperature Measurements on an Ethylene Furnace	Dane	Joint Brown from BASF/ Nicholas Graham, Brette Hgedorn, and Paul Laskoski from CPChem	The abstract was reviewed and with a few suggestions for the author will be returned to the author	Detailed contact information required from the authors. Must list authors by priority and nominate presenter	This paper was not approved for publication